Special Issue

Plant-Soil Feedbacks on Carbon and Nutrient Cycling in Forest Ecosystems

Message from the Guest Editors

In the face of climate change and rising atmospheric CO2 concentrations, forest ecosystems and soils are becoming important potential carbon (C) sinks. This potential varies with tree species, which may substantially impact soil C pools and nutrient cycles. Yet, little information is available on how altered tree species composition in the wake of climate change will alter these nutrient cycles and the stability of soil C, with unknown consequences for ecosystem functioning. Specifically, a higher frequency of droughts or fires in forests previously unaffected by such extreme events may unpredictably alter plant–soil feedbacks in such ecosystems. The interactions of trees, their traits, and C and nutrient cycling in forest soils need to be better understood. We encourage the submission of studies from all fields, including experimental studies, monitoring approaches, and modeling attempts, to this Special Issue, promoting knowledge and adaptation strategies for the preservation, management, and future development of forest ecosystems.

Guest Editors

Dr. Gerrit Angst

SoWa Research Infrastructure & Institute of Soil Biology, CAS Na Sádkách 7, 37005 České Budějovice, Czech Republic

Prof. Dr. Eva Kaštovská

Department of Ecosystem Biology, Faculty of Science, University of South Bohemia, Branišovská 1645/31A, České Budějovice 2, 370 05 České Budějovice, Czech Republic

Deadline for manuscript submissions

closed (28 February 2021)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/48727

Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

mdpi.com/journal/forests

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/forests

MDPI

About the Journal

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).